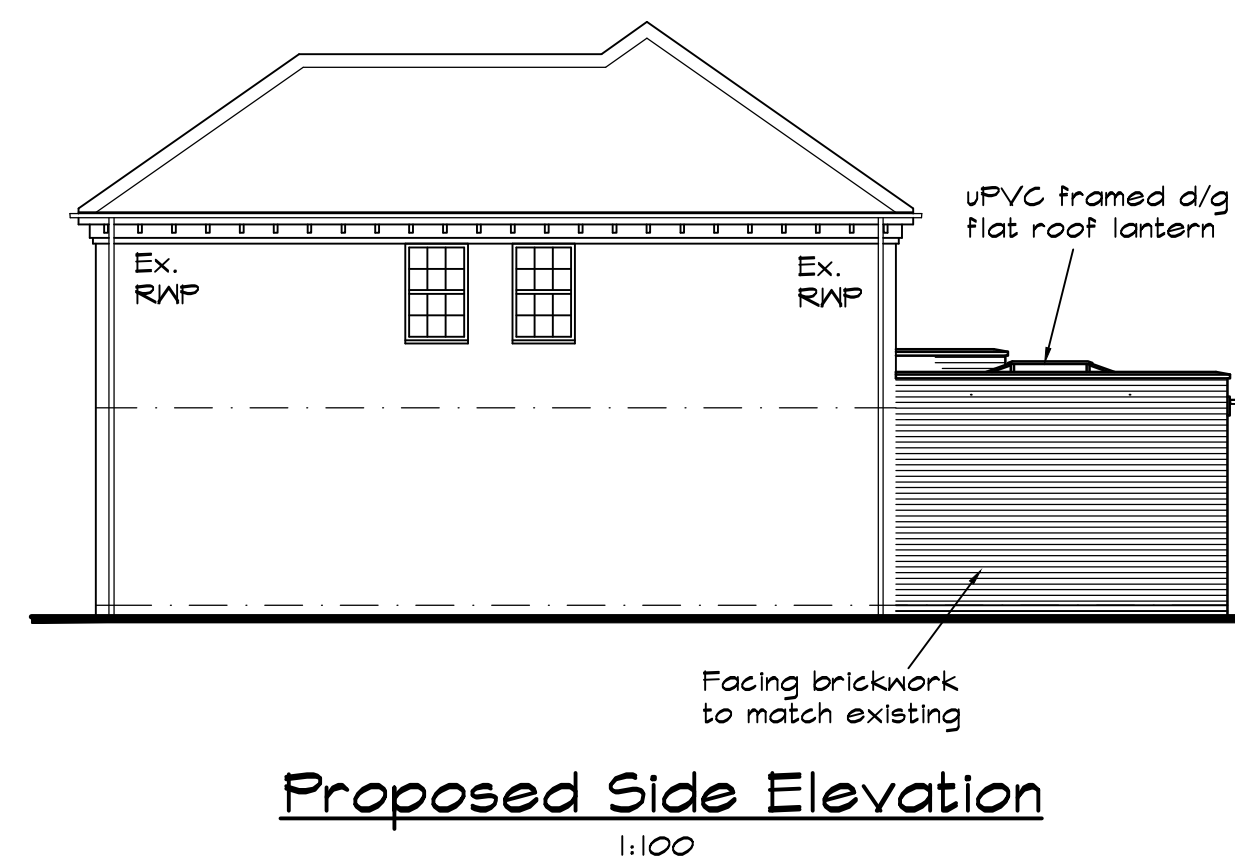
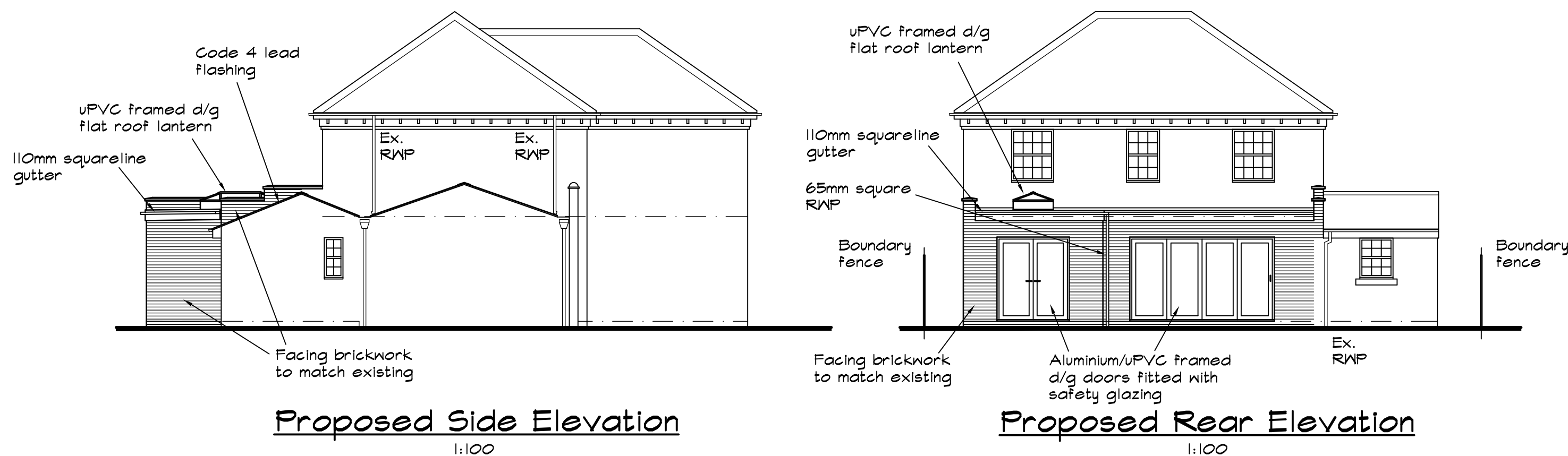




NOTES cont'd

15. **GENERAL DETAILS**
New windows to be uPVC framed draughtsealed double glazed units (16mm Argon filled gap) glazed in Energicare glass to achieve a U-Value of 1.6W/m²K, with 2500mm² trickle vents. New external doors to achieve a U-Value of 1.8W/m²K. Safety glazing to doors and windows in critical areas to comply with BS 6206.

Ventilation opening to new windows to equal 1/20 floor area of room served.

All radiators to be fitted with TRV valves.

Lateral restraint to walls be provided at roof level using 30x5mm galvanised mild steel straps x 1800mm long @ 1500mm max. centres fixed across min. 3No. members with solid strutting between members.

Steel beams to have 1 layer 15mm Fireline board & skim cladding to provide half hour fire resistance.

All Fire Protection specified to be installed in accordance with the manufacturer's instructions and to the satisfaction of the Approved Inspector.

NOTES

1. All dimensions to be checked on site by builder prior to commencement.

2. This drawing is Copyright of Creation Building Design and may not be amended or copied, either manually or electronically, without the express written permission of the Copyright owner.

3. This drawing is to be read in conjunction with Drg. No. 22156-3.

4. **FOUNDATIONS**
Reinforced concrete ground beams supported off piled foundations designed and constructed by specialist.

5. **DFC**
To be minimum 2000 gauge polymer DFC to each leaf of masonry, positioned at ground floor level or where shown, 150mm above external ground level. Insulated vertical DFC's to all vertical cavity closures.

6. **EXTERNAL CAVITY WALL**
External cavity walls to be 102mm facing brickwork to match existing with 100mm cavity filled with DriTherm or similar cavity insulation bats, 100mm wide inner leaf of Celcon Standard or similar blockwork, plasterboard on dabs with skim finish internally. Cavity to be tied with stainless steel or similar wall ties to BS 1243 at 750mm horizontal centres and 450mm vertical centres, 225mm at openings. All new openings to be supported using Catnic Insulated lintels with 150mm minimum end bearing. All new brickwork to be strapped to BS 5628.

7. **SUSPENDED FLOOR SLAB**
70mm sand/cement screed on 500 gauge polythene DPM on 80mm Celotex or Kingspan floor grade insulation with 25mm perimeter insulation on 1200 gauge polythene DPM linked to DFC on precast concrete beam & block floor construction by specialist with 175mm clear void under beams and 225x150mm air bricks @ 1.50m centres. Floor finish to be agreed with the client.

8. **FLAT ROOF**
Firestone butyl rubber OR 3 layers of high tensile elastomeric roofing felt with a green mineral cap sheet all fully bonded to 15mm exterior grade plywood on 150mm Celotex XPS4000 insulation on 18mm exterior grade plywood on firings to form minimum 1.80 falls on 47x195mm Grade C24 flat roof joists @ 400mm centres max. and underdrain with 12.5mm plasterboard & skim. Triple joist trimmers to roof lantern.

9. **RAINWATER DISPOSAL**
110mm uPVC squareline guttering connected to 65mm square rainwater pipes discharging into the underground drainage system as indicated.

10. **DRAINAGE**
All new underground drainage to be 100mm dia uPVC flexibly jointed pipework bedded on pea gravel, laid to 1:40 minimum falls in the layout as shown. New polypropylene inspection chamber to have 100mm dia. outlets, fitted with a lightweight cover and frame and set on 150mm thick mass concrete base and surrounded with pea gravel. 150x150mm trapped and roddable gully's to be positioned as shown. All drains under the extension to be kept flexible when passing through walls.

11. Sink to have 40mm dia. uPVC waste pipe (50mm where pipe run is greater than 3.0m) with 75mm deep seal anti-vac traps and connected into 100mm dia. uPVC SVP or sealed and trapped gully.

12. Kitchen to be fitted with cooker hood capable of 30 litres/sec. extraction and be ducted to external wall.

13. **LIGHTING**
1No. new light fitting to have a luminous efficiency greater than 40 lumens per circuit watt, i.e. compact fluorescent fittings to be provided for each new 20m² floor area created.

14. **HEATING**
Alterations to the heating & hot water system installations to be designed, installed and commissioned by a competent person in accordance with the Domestic Heating Compliance Guide, 2006 Edition.

Rev. B 15.09.21. Details finalised for Planning & Building Regulation approval.

Rev. A 31.08.21. Amended in accordance with client's comments.

Note:
Any existing drainage under extension footprint to be replaced with new uPVC pipework if necessary. Ex. I.C. and any redundant drainage to be grubbed out & drain made good to the satisfaction of the Approved Inspector.

Ex. SVP to be re-routed and boxed-out with access cover above floor level, and connected to ex. F.W. drain to the satisfaction of the Approved Inspector.

New brickwork to be fully tooth bonded to existing

Garden

New RWP & roddable gully connected to ex. s.w. drain to the satisfaction of the Approved Inspector

Catnic Extra Heavy Duty lintel over

Note:
Ex. Conservatory to be carefully demolished, and floor slab broken out and removed

2000x1000mm Skypod roof lantern by Eurocell or similar over

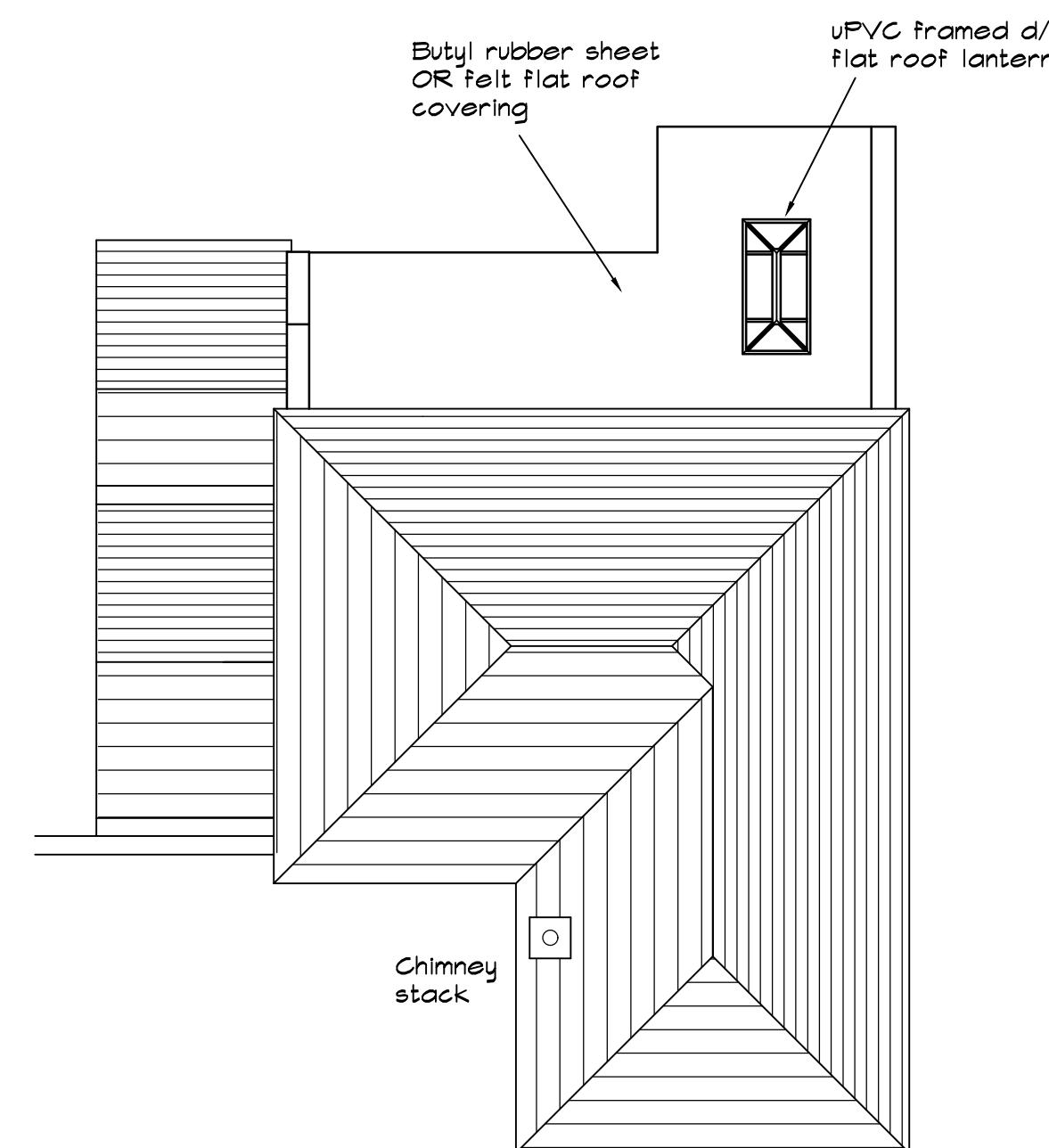
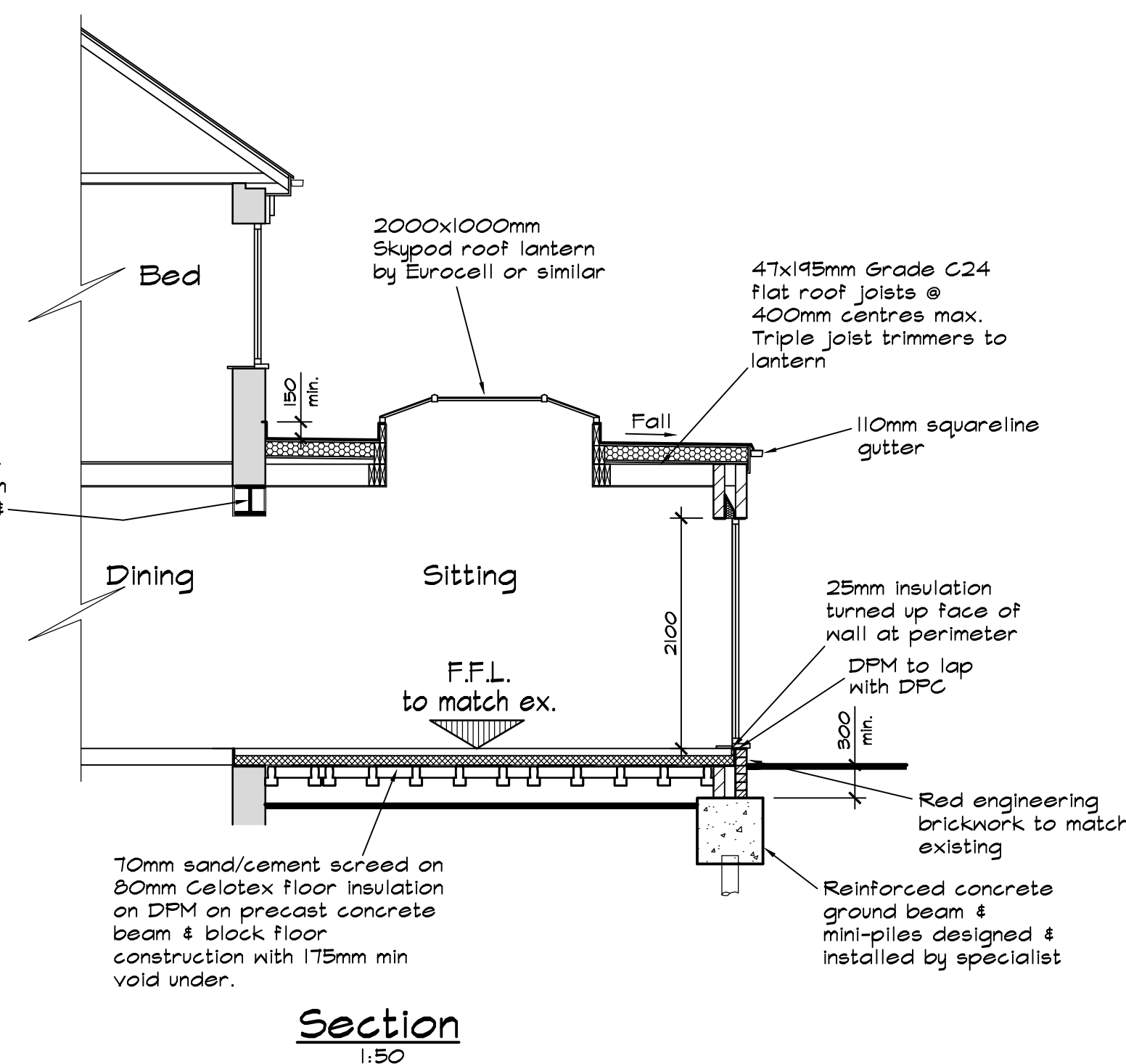
New rodding eye/inspection chamber

New brickwork to be fully tooth bonded to existing

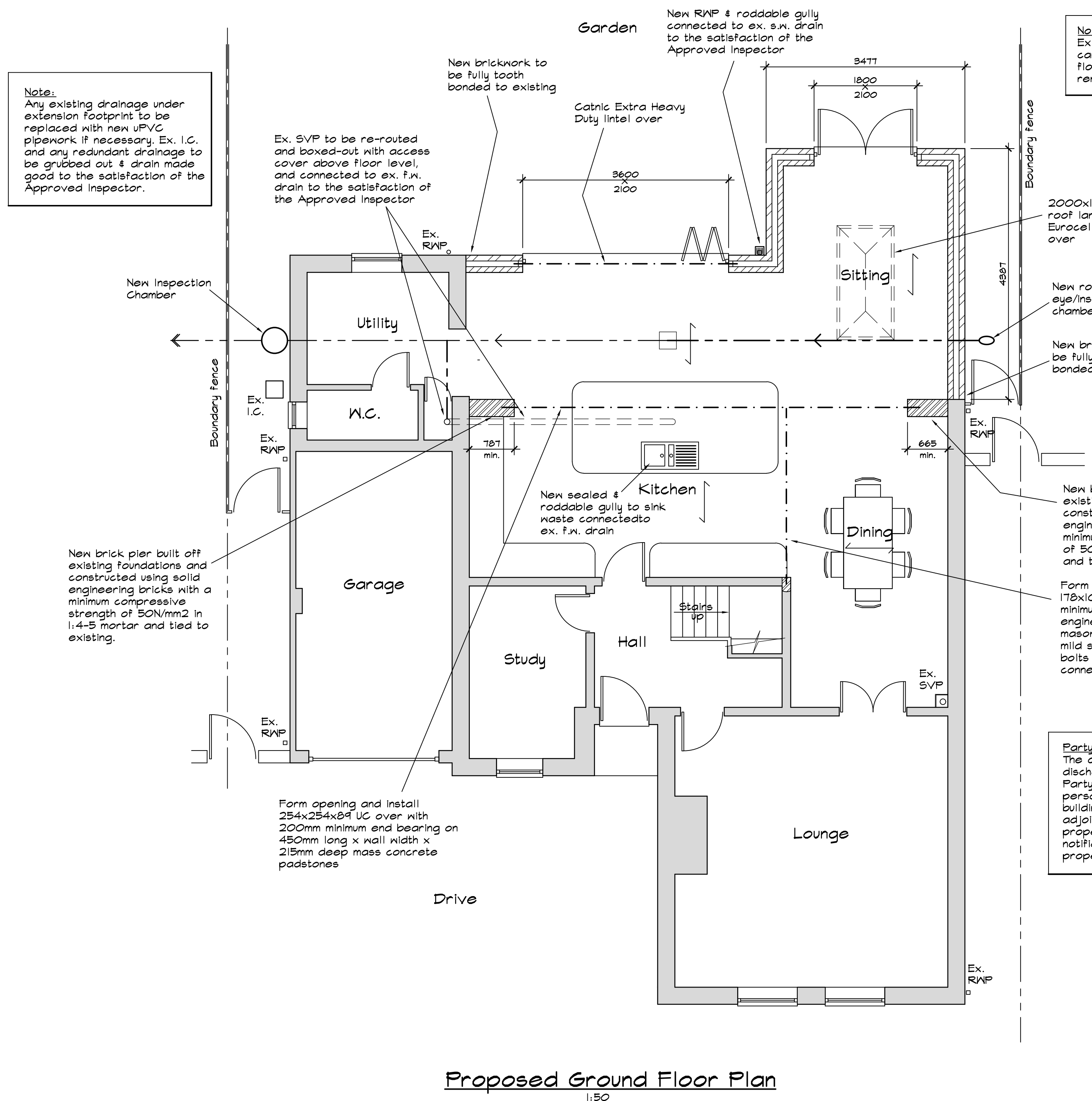
New brick pier built off existing foundations and constructed using solid engineering bricks with a minimum compressive strength of 50N/mm² in 1:4-5 mortar and tied to existing.

Form opening and install 178x102x19 UB over with 100mm minimum end bearing on engineering brick padstone at masonry bearing and 6mm thick mild steel cleat with 2No. M16 bolts per member at steel/steel connection and make good

Party Wall Act
The client shall be responsible for discharging their duty under the Party Wall Act 1996, which requires persons intending to carry out building work likely to affect adjoining or nearby building or property boundary, to give written notification to all neighbouring property owners affected.



All electrical works to be undertaken, tested and commissioned by an electrical contractor registered under the Competent Persons Scheme.



Project
Proposed Extension at 34, Merlin Way, Mickleover, Derby

Client
Mr & Mrs A. Lee Tel. 07836 756176

Scale
1:100 & 1:50 Drg. No. **22156-2B**

CREATION BUILDING DESIGN

7, Brackley Drive, Spondon, Derby DE21 7SA
Tel: 01332 677959 Mob. 07969 248579
E-mail kevinfitchett7@gmail.com
Web www.creationbuildingdesign.co.uk